

100

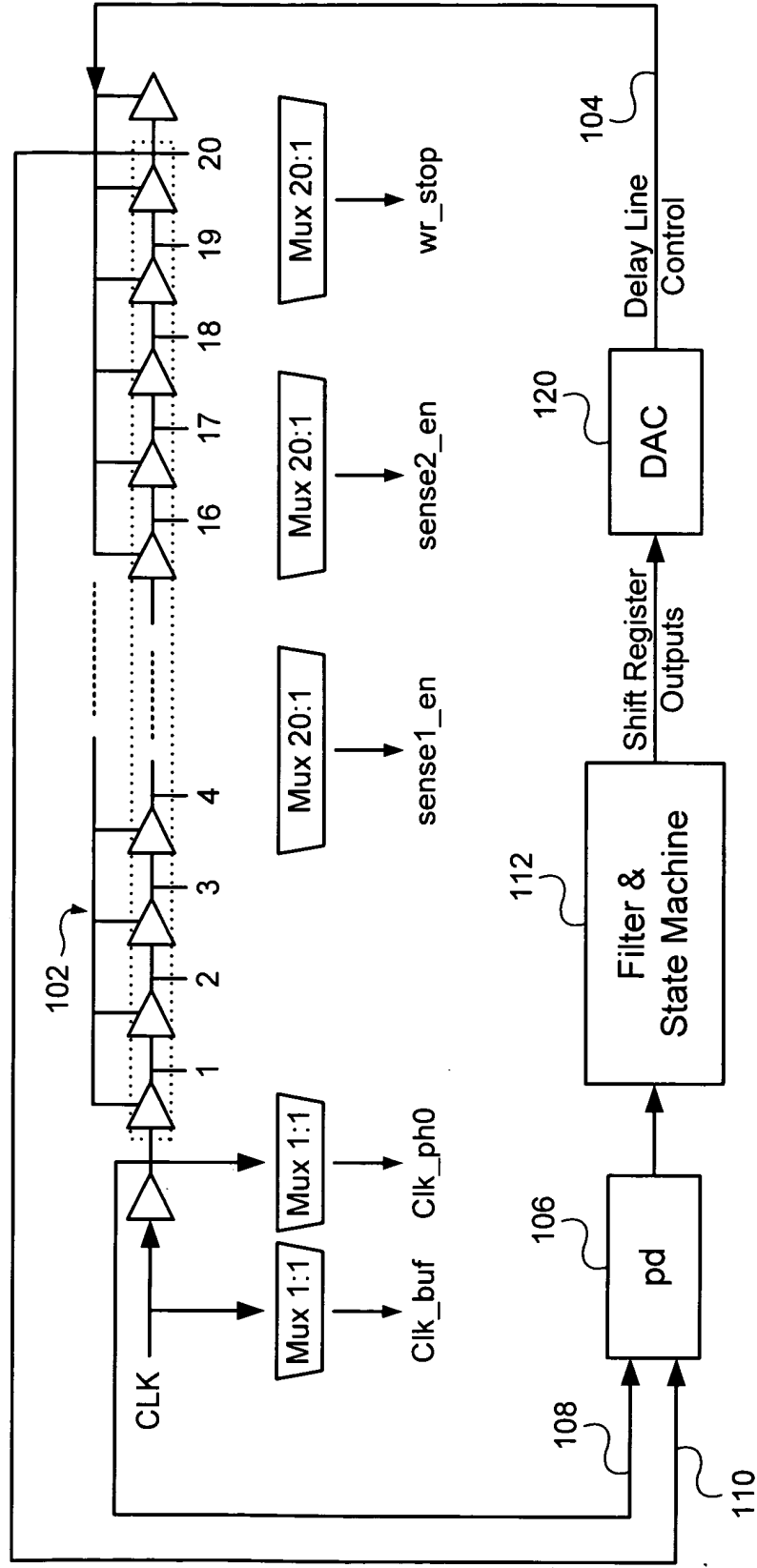
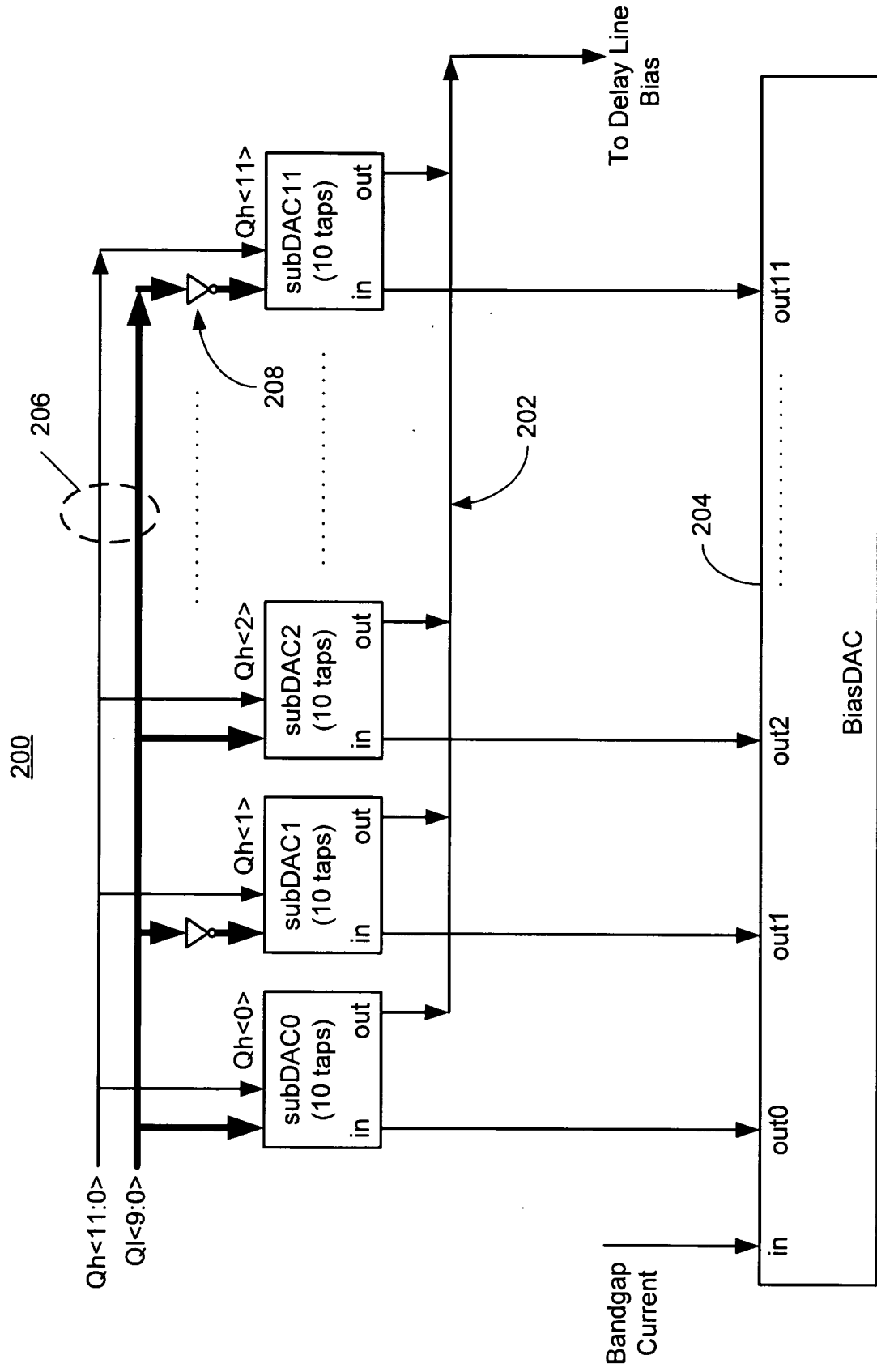


FIG. 1



**FIG. 2**

Code #	Qh<1:1:0>											Ql<9:0>											Current ((Iout-Imin)/Ibg)	Total Current (Iout/Imin)
	11	10	9	8	7	6	5	4	3	2	1	0	9	8	7	6	5	4	3	2	1	0		
0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	1
1	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	1	1	1.01
2	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	1	2.01	1.0201
3	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	1	1	3.0301	1.030301
4	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	1	1	1	4.060401	1.04060401
5	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	1	1	1	1	5.10100501	1.05101005
6	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	1	1	1	1	1	6.15201506	1.061520151
7	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	1	1	1	1	1	1	7.213535211	1.072135352
8	0	0	0	0	0	0	0	0	0	0	0	0		0	0	1	1	1	1	1	1	1	8.285670563	1.082856706
9	0	0	0	0	0	0	0	0	0	0	0	0		0	1	1	1	1	1	1	1	1	9.368527268	1.093685273
10	0	0	0	0	0	0	0	0	0	0	0	1		1	1	1	1	1	1	1	1	1	10.46	1.1046
11	0	0	0	0	0	0	0	0	0	0	0	1		1	1	1	1	1	1	1	1	0	11.56462213	1.115646221
12	0	0	0	0	0	0	0	0	0	0	0	1		1	1	1	1	1	1	1	0	0	12.68029047	1.126802905
13	0	0	0	0	0	0	0	0	0	0	0	1		1	1	1	1	1	1	0	0	0	13.8071155	1.138071155
14	0	0	0	0	0	0	0	0	0	0	0	1		1	1	1	1	1	0	0	0	0	14.94520878	1.149452088
15	0	0	0	0	0	0	0	0	0	0	0	1		1	1	1	1	0	0	0	0	0	16.094683	1.16094683
16	0	0	0	0	0	0	0	0	0	0	0	1		1	1	1	0	0	0	0	0	0	17.25565195	1.17255652
17	0	0	0	0	0	0	0	0	0	0	0	1		1	1	1	0	0	0	0	0	0	18.4282306	1.184282306
18	0	0	0	0	0	0	0	0	0	0	0	1		1	1	0	0	0	0	0	0	0	19.61253503	1.19612535
19	0	0	0	0	0	0	0	0	0	0	0	1		1	0	0	0	0	0	0	0	0	20.8086825	1.208086825
20	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	0	0	0	0	22.02	1.2202
21	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	0	0	0	1	23.24019004	1.2324019
22	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	0	0	1	1	24.47258198	1.24472582
23	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	0	1	1	1	25.71729784	1.257172978
24	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	0	1	1	1	26.97446086	1.269744609
25	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	0	1	1	1	1	28.24419551	1.282441955
26	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	0	1	1	1	1	1	29.5266275	1.295266275
27	0	0	0	0	0	0	0	0	0	0	0	1		0	0	0	1	1	1	1	1	1	30.82188382	1.308218838
28	0	0	0	0	0	0	0	0	0	0	0	1		0	0	1	1	1	1	1	1	1	32.1300927	1.321300927
29	0	0	0	0	0	0	0	0	0	0	0	1		0	1	1	1	1	1	1	1	1	33.45138366	1.334513837
30	0	0	0	0	0	0	0	0	0	0	0	1		1	1	1	1	1	1	1	1	1	34.78	1.3478
31	0	0	0	0	0	0	0	0	0	0	0	1		1	1	1	1	1	1	1	1	0	36.12784892	1.361278489
32	0	0	0	0	0	0	0	0	0	0	0	1		1	1	1	1	1	1	1	0	0	37.48917632	1.374891763
33	0	0	0	0	0	0	0	0	0	0	0	1		1	1	1	1	1	1	0	0	0	38.864117	1.38864117
34	0	0	0	0	0	0	0	0	0	0	0	1		1	1	1	1	1	0	0	0	0	40.25280708	1.402528071
35	0	0	0	0	0	0	0	0	0	0	0	1		1	1	1	1	0	0	0	0	0	41.65538407	1.416553841
36	0	0	0	0	0	0	0	0	0	0	0	1		1	1	1	0	0	0	0	0	0	43.07198683	1.430719868
37	0	0	0	0	0	0	0	0	0	0	0	1		1	1	0	0	0	0	0	0	0	44.50275561	1.445027556
38	0	0	0	0	0	0	0	0	0	0	0	1		1	1	0	0	0	0	0	0	0	45.94783208	1.459478321
39	0	0	0	0	0	0	0	0	0	0	0	1		1	0	0	0	0	0	0	0	0	47.40735932	1.474073593

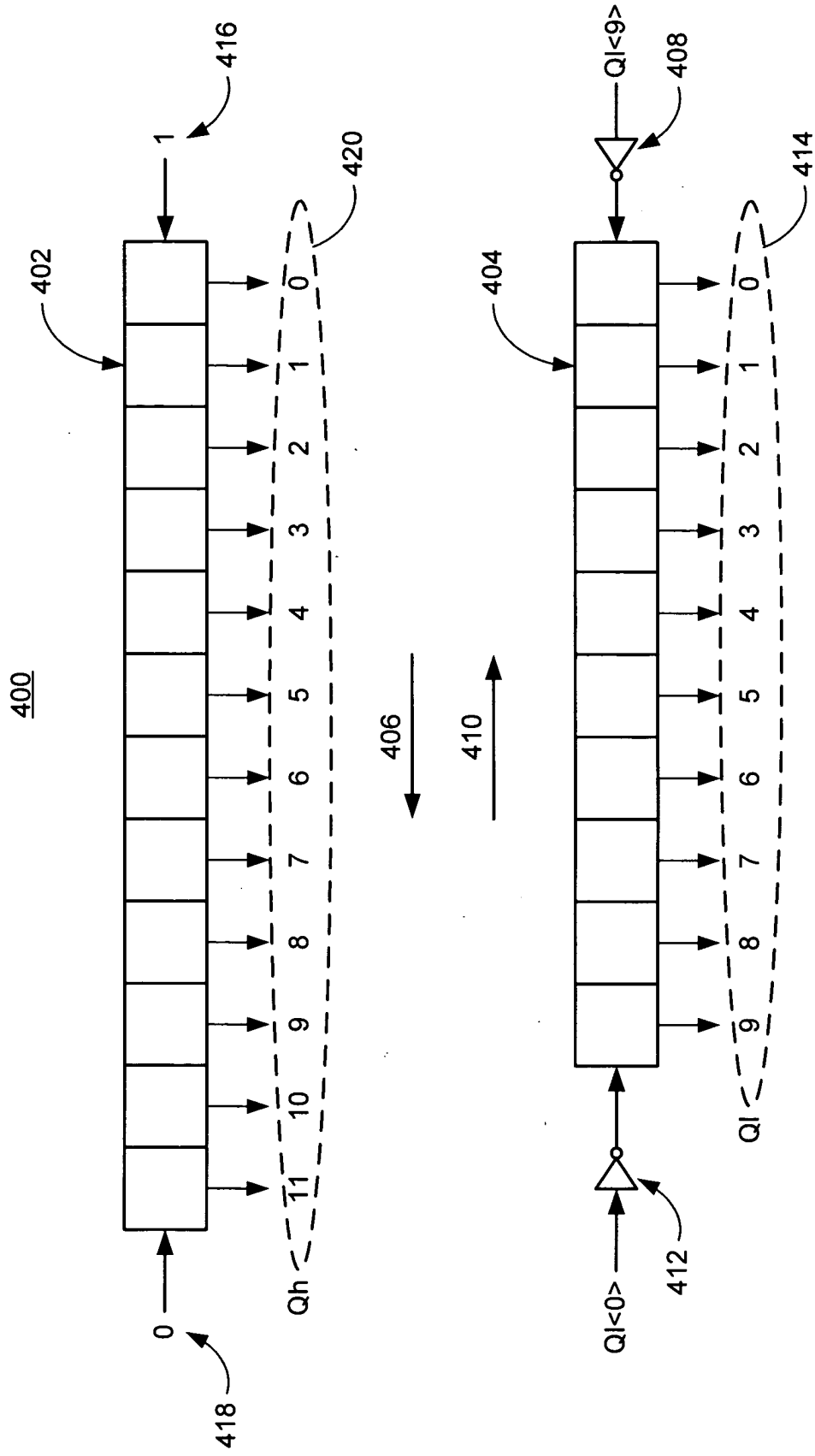
Fig. 3A

Code #	Qh<11:0>												Ql<9:0>													Current ((Iout-Imin)/Ibg)	Total Current (Iout/Imin)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	11	10	9	8	7	6	5	4	3	2	1	0	9	8	7	6	5	4	3	2	1	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
40	0	0	0	0	0	0	0	0	0	1	1	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			</

Fig. 3B

Code #	Qh<11:0>													Ql<9:0>												Current ((Iout-Imin)/Ibg)	Total Current (Iout/Imin)
	11	10	9	8	7	6	5	4	3	2	1	0		9	8	7	6	5	4	3	2	1	0				
80	0	0	0	0	0	1	1	1	1	1	1	1			0	0	0	0	0	0	0	0	121.67	2.2167			
81	0	0	0	0	0	1	1	1	1	1	1	1			0	0	0	0	0	0	0	1	123.8867152	2.238867152			
82	0	0	0	0	0	1	1	1	1	1	1	1			0	0	0	0	0	0	0	1	126.1255976	2.261255976			
83	0	0	0	0	0	1	1	1	1	1	1	1			0	0	0	0	0	0	0	1	128.3868688	2.283868688			
84	0	0	0	0	0	1	1	1	1	1	1	1			0	0	0	0	0	0	0	1	130.6707527	2.306707527			
85	0	0	0	0	0	1	1	1	1	1	1	1			0	0	0	0	0	1	1	1	132.9774754	2.329774754			
86	0	0	0	0	0	1	1	1	1	1	1	1			0	0	0	0	1	1	1	1	135.3072654	2.353072654			
87	0	0	0	0	0	1	1	1	1	1	1	1			0	0	0	1	1	1	1	1	137.6603533	2.376603533			
88	0	0	0	0	0	1	1	1	1	1	1	1			0	0	1	1	1	1	1	1	140.036972	2.40036972			
89	0	0	0	0	0	1	1	1	1	1	1	1			0	1	1	1	1	1	1	1	142.437357	2.42437357			
90	0	0	0	0	0	1	1	1	1	1	1	1			1	1	1	1	1	1	1	1	144.86	2.4486			
91	0	0	0	0	0	1	1	1	1	1	1	1			1	1	1	1	1	1	1	0	147.3086327	2.473086327			
92	0	0	0	0	0	1	1	1	1	1	1	1			1	1	1	1	1	1	0	0	149.7817517	2.497817517			
93	0	0	0	0	0	1	1	1	1	1	1	1			1	1	1	1	1	1	0	0	152.2796019	2.522796019			
94	0	0	0	0	0	1	1	1	1	1	1	1			1	1	1	1	1	0	0	0	154.8024306	2.548024306			
95	0	0	0	0	0	1	1	1	1	1	1	1			1	1	1	1	0	0	0	0	157.3504875	2.573504875			
96	0	0	0	0	0	1	1	1	1	1	1	1			1	1	1	0	0	0	0	0	159.9240251	2.599240251			
97	0	0	0	0	0	1	1	1	1	1	1	1			1	1	1	0	0	0	0	0	162.523298	2.62523298			
98	0	0	0	0	0	1	1	1	1	1	1	1			1	1	0	0	0	0	0	0	165.1485637	2.651485637			
99	0	0	0	0	0	1	1	1	1	1	1	1			1	0	0	0	0	0	0	0	167.800082	2.67800082			
100	0	0	0	0	0	1	1	1	1	1	1	1			0	0	0	0	0	0	0	0	170.48	2.7048			
101	0	0	0	0	0	1	1	1	1	1	1	1			0	0	0	0	0	0	0	1	173.1848138	2.731848138			
102	0	0	0	0	0	1	1	1	1	1	1	1			0	0	0	0	0	0	0	1	175.9166758	2.759166758			
103	0	0	0	0	0	1	1	1	1	1	1	1			0	0	0	0	0	0	0	1	178.6758564	2.786758564			
104	0	0	0	0	0	1	1	1	1	1	1	1			0	0	0	0	0	0	0	1	181.4626288	2.814626288			
105	0	0	0	0	0	1	1	1	1	1	1	1			0	0	0	0	0	0	0	1	184.2772689	2.842772689			
106	0	0	0	0	0	1	1	1	1	1	1	1			0	0	0	0	0	1	1	1	187.1200554	2.871200554			
107	0	0	0	0	0	1	1	1	1	1	1	1			0	0	0	0	0	1	1	1	189.9912698	2.899912698			
108	0	0	0	0	0	1	1	1	1	1	1	1			0	0	1	1	1	1	1	1	192.8911963	2.928911963			
109	0	0	0	0	0	1	1	1	1	1	1	1			0	1	1	1	1	1	1	1	195.8201221	2.958201221			
110	0	0	0	0	0	1	1	1	1	1	1	1			1	1	1	1	1	1	1	1	198.78	2.9878			
111	0	0	0	0	0	1	1	1	1	1	1	1			1	1	1	1	1	1	1	0	201.7677972	3.017677972			
112	0	0	0	0	0	1	1	1	1	1	1	1			1	1	1	1	1	1	0	0	204.7854724	3.047854724			
113	0	0	0	0	0	1	1	1	1	1	1	1			1	1	1	1	1	1	0	0	207.8333243	3.078333243			
114	0	0	0	0	0	1	1	1	1	1	1	1			1	1	1	1	1	0	0	0	210.9116547	3.109116547			
115	0	0	0	0	0	1	1	1	1	1	1	1			1	1	1	1	0	0	0	0	214.0207685	3.140207685			
116	0	0	0	0	0	1	1	1	1	1	1	1			1	1	1	0	0	0	0	0	217.1609734	3.171609734			
117	0	0	0	0	0	1	1	1	1	1	1	1			1	1	0	0	0	0	0	0	220.3325803	3.203325803			
118	0	0	0	0	0	1	1	1	1	1	1	1			1	0	0	0	0	0	0	0	223.5359033	3.235359033			
119	0	0	0	0	0	1	1	1	1	1	1	1			1	0	0	0	0	0	0	0	226.7712596	3.267712596			
120	1	1	1	1	1	1	1	1	1	1	1	1			0	0	0	0	0	0	0	0	230.04	3.3004			

Fig. 3C



**FIG. 4**